



#7

SEQUENCE LISTING

<110> HOOK, Magnus

<120> CROSS-REACTIVE DISPLACING ANTIBODIES FROM COLLAGEN-BINDING PROTEINS AND METHOD OF IDENTIFICATION AND USE

<130> P06668US03/BAS

<140> 09/810,428

<141> 2001-03-19

<150> 60/225,402

<151> 2000-08-15

<150> 60/199,370

<151> 2000-04-25

<150> 60/189,968

<151> 2000-03-17

<160> 30

<170> PatentIn version 3.0

<210> 1

<211> 336

<212> DNA

<213> Staphylococcus aureus

<400> 1

```
gaagttgtga tgacccaaac tccactctcc ctgcctgtca gtcttggcga tcacgcctcc      60
atctcttgca gatctagtca gcgccttgta cacagtaatg aaaacaccta ttacattgg      120
tatctgcaga agccaggcca gtctccaaag ctctgatct acaaagtttc caaccgattt      180
tctgggggtcc cagacagggt cagtggcagt ggatcaggga cagatttcac actcaagatc      240
agcagagtgg aggctgagga tctgggagtt tatttctgct ctcaaagtac gcatgttctt      300
cccacgttcg gaggggggac caggctggaa ataaaaa                                336
```

<210> 2

<211> 112

<212> PRT

<213> Staphylococcus aureus

<400> 2

```
Glu Val Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Ser Leu Gly
1           5           10           15
```

```
Asp His Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg Leu Val His Ser
20           25           30
```

Asn Glu Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro
50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Phe Cys Ser Gln Ser
85 90 95

Thr His Val Pro Pro Thr Phe Gly Gly Gly Thr Arg Leu Glu Ile Lys
100 105 110

<210> 3
<211> 360
<212> DNA
<213> Staphylococcus aureus

<400> 3
cagggttcagc tgcagcagtc tggagctgag ctgatgaagc ctggggcctc agtgaagatc 60
tcctgcaagg ctgctggcta cacattcagt ccctactgga tagagtgggtt aaagcagagg 120
cctggacatg gccttgagtg gattggagag attttacctg gaagtggaaa tattaactac 180
aatgagaagt tcaaggacaa ggccacattc actgctgata catcctccaa cacagttttac 240
atgcaagtca gcagcctgac atctgaggac tctgccgtct attactgtgc aagagaggag 300
gatggttacc cggcctgggtt tgcttactgg ggccaaggga ctctgggtcac tgtctctgca 360

<210> 4
<211> 120
<212> PRT
<213> Staphylococcus aureus

<400> 4
Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Met Lys Pro Gly Ala
1 5 10 15
Ser Val Lys Ile Ser Cys Lys Ala Ala Gly Tyr Thr Phe Ser Pro Tyr
20 25 30
Trp Ile Glu Trp Leu Lys Gln Arg Pro Gly His Gly Leu Glu Trp Ile
35 40 45
Gly Glu Ile Leu Pro Gly Ser Gly Asn Ile Asn Tyr Asn Glu Lys Phe
50 55 60
Lys Asp Lys Ala Thr Phe Thr Ala Asp Thr Ser Ser Asn Thr Val Tyr
65 70 75 80
Met Gln Val Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys

	85		90		95
Ala Arg Glu Glu Asp Gly Tyr Pro Ala Trp Phe Ala Tyr Trp Gly Gln					
	100		105		110

Gly Thr Leu Val Thr Val Ser Ala
115 120

<210> 5
 <211> 21
 <212> PRT
 <213> Staphylococcus aureus

<400> 5

Ile Thr Ser Gly Asn Lys Ser Thr Asn Val Thr Val His Lys Ser Glu
1 5 10 15

Ala Gly Thr Ser Ser
20

<210> 6
 <211> 115
 <212> PRT
 <213> Staphylococcus aureus

<400> 6

Val Phe Tyr Tyr Lys Thr Gly Asp Met Leu Pro Glu Asp Thr Thr His
1 5 10 15

Val Arg Trp Phe Leu Asn Ile Asn Asn Glu Lys Ser Tyr Val Ser Lys
20 25 30

Asp Ile Thr Ile Lys Asp Gln Ile Gln Gly Gly Gln Gln Leu Asp Leu
35 40 45

Ser Thr Leu Asn Ile Asn Val Thr Gly Thr His Ser Asn Tyr Tyr Ser
50 55 60

Gly Gln Ser Ala Ile Thr Asp Phe Glu Lys Ala Phe Pro Gly Ser Lys
65 70 75 80

Ile Thr Val Asp Asn Thr Lys Asn Thr Ile Asp Val Thr Ile Pro Gln
85 90 95

Gly Tyr Gly Ser Tyr Asn Ser Phe Ser Ile Asn Tyr Lys Thr Lys Thr
100 105 110

Thr Asn Glu
115

<210> 7
 <211> 32
 <212> PRT
 <213> Staphylococcus aureus

<400> 7

Gln Gln Lys Glu Phe Val Asn Asn Ser Gln Ala Trp Tyr Gln Glu His
1 5 10 15

Gly Lys Glu Glu Val Asn Gly Lys Ser Phe Asn His Thr Val His Asn
20 25 30

<210> 8

<211> 37

<212> PRT

<213> Enterococcus faecalis

<400> 8

Thr Ala Thr Ala Thr Gln Arg Leu Thr Ile Glu Gly Val Thr Asn Thr
1 5 10 15

Glu Thr Gly Gln Ile Glu Arg Asp Tyr Pro Phe Phe Tyr Lys Val Gly
20 25 30

Asp Leu Ala Gly Glu
35

<210> 9

<211> 52

<212> PRT

<213> Enterococcus faecalis

<400> 9

Ser Asn Gln Val Arg Trp Phe Leu Asn Val Asn Leu Asn Lys Ser Asp
1 5 10 15

Val Thr Glu Asp Ile Ser Ile Ala Asp Arg Gln Gly Ser Gly Gln Gln
20 25 30

Leu Asn Lys Glu Ser Phe Thr Phe Asp Ile Val Asn Asp Lys Glu Thr
35 40 45

Lys Tyr Ile Ser
50

<210> 10

<211> 10

<212> PRT

<213> Enterococcus faecalis

<400> 10

Leu Ala Glu Phe Glu Gln Gln Gly Tyr Gly
1 5 10

<210> 11

<211> 5

<212> PRT

<213> Enterococcus faecalis

<400> 11

Lys Ile Asp Phe Val
1 5

<210> 12

<211> 64

<212> PRT

<213> Enterococcus faecalis

<400> 12

Thr Asp Asn Asp Phe Asn Leu Arg Phe Tyr Arg Asp Lys Ala Arg Phe
1 5 10 15

Thr Ser Phe Ile Val Arg Tyr Thr Ser Thr Ile Thr Glu Ala Gly Gln
20 25 30

His Gln Ala Thr Phe Glu Asn Ser Tyr Asp Ile Asn Tyr Gln Leu Asn
35 40 45

Asn Gln Asp Ala Thr Asn Glu Lys Asn Thr Ser Gln Val Lys Asn Val
50 55 60

<210> 13

<211> 28

<212> DNA

<213> Staphylococcus aureus

<400> 13

gaagatccat aacatctggg aataaatc

28

<210> 14

<211> 27

<212> DNA

<213> Staphylococcus aureus

<400> 14

gttggtcgact caattgtgca cagtatg

27

<210> 15

<211> 25

<212> DNA

<213> Enterococcus faecalis

<400> 15

gaaggatcca cagcaacggc gactc

25

<210> 16

<211> 29

<212> DNA

<213> Enterococcus faecalis

<400> 16
gttgtcgact caatttttaa cctgtgatg 29

<210> 17
<211> 27
<212> DNA
<213> Enterococcus faecalis

<400> 17
catgtacgat ggTTTTTaaa tgtgaac 27

<210> 18
<211> 30
<212> DNA
<213> Staphylococcus aureus

<400> 18
atttaaaaac catcgtaac gtgtcgatc 30

<210> 19
<211> 36
<212> DNA
<213> Staphylococcus aureus

<400> 19
ttggcctgct tctgtgattt tggTTTTgta gttaat 36

<210> 20
<211> 36
<212> DNA
<213> Enterococcus faecalis

<400> 20
attaactaca aaacaaaat cacagaagca ggccaa 36

<210> 21
<211> 33
<212> DNA
<213> Staphylococcus aureus

<400> 21
tcaaatcaag tacgttggtt tttaaattatt aac 33

<210> 22
<211> 33
<212> DNA
<213> Enterococcus faecalis

<400> 22
gttaatatTTT aaaaaccaac gtacttgatt tga 33

<210> 23
 <211> 36
 <212> DNA
 <213> *Staphylococcus aureus*

 <400> 23
 gtccggttaca cttcgacaat tacgaatgaa cagcaa 36

 <210> 24
 <211> 36
 <212> DNA
 <213> *Enterococcus faecalis*

 <400> 24
 ttgctgttca ttcgtaattg tcgaagtgtg acggac 36

 <210> 25
 <211> 34
 <212> DNA
 <213> *Staphylococcus aureus*

 <400> 25
 gaagatatatt caattaagga tcagattcaa ggtg 34

 <210> 26
 <211> 34
 <212> DNA
 <213> *Enterococcus faecalis*

 <400> 26
 ttgaatctga tccttaattg aaatatcttc tgtg 34

 <210> 27
 <211> 37
 <212> DNA
 <213> *Staphylococcus aureus*

 <400> 27
 gtttagttga taattagctt gtgaattatt aacaaac 37

 <210> 28
 <211> 37
 <212> DNA
 <213> *Enterococcus faecalis*

 <400> 28
 aataattcac aagctaatta tcaactaaac aatcaag 37

 <210> 29
 <211> 36

<212> DNA

<213> *Staphylococcus aureus*

<400> 29

aatagttatg acatctggta tcaagagcat ggtaag 36

<210> 30

<211> 33

<212> DNA

<213> *Enterococcus faecalis*

<400> 30

atgctcttga taccagatgt cataactatt ttc 33